

Title (en)  
PROCESS FOR THE MANUFACTURE OF OMEGA NITROOXY-1-ALKANOLS

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON OMEGA-NITROOXY-1-ALKANOLEN

Title (fr)  
PROCÉDÉ DE FABRICATION D'OMÉGA NITROOXY-1-ALKANOLS

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Application  
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Abstract (en)  
[origin: WO2020053194A1] The invention relates to a process for the preparation of  $\omega$ -nitroxyC3-10 alkane-1-ols comprising the nitration of an  $\alpha,\omega$ -C3-10 alkanediol with a nitration agent, optionally in the presence of a nitrite trapping agent, characterized in that the nitration agent is a mixture consisting of 50 to 75 wt.-% of nitric acid in water wherein the nitric acid is used in an amount selected in the range from 0.5 to 5 mol equivalents based on the  $\alpha,\omega$ -C3-10alkanediols, and wherein the nitration is carried out at a temperature selected in the range from 65 - 100 °C.

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